

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.
21-R-0080

CUSTOMER NO.
449

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

N Y INSTITUTE FOR BASIC RESEARCH IN D D
1050 FOREST HILL ROAD
STATEN ISLAND NY 10314

(b)(6),(b)(7)(c)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS(Sites)

See Attached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	995	995
8. Rabbits	0	27	0	0	27
9. Non-Human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

(b)(6), (b)(7)(c)

(b)(6), (b)(7)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

(b)(6), (b)(7)(c)

(b)(6), (b)(7)(c)

DATE SIGNED

11/14/06

(AUG 91)

(replaces APHIS Form 7023 (Oct 98), which is obsolete

PART 1 - HEADQUARTERS

Customer ID and Site Address:

ID: 449

(b)(2)High, (b)(7)(F)

(b)(2)High, (b)(7)(F)

County: Richmond

Site: 001
Status: Active

(b)(2)High, (b)(7)(F)

(b)(2)High, (b)(7)(F)

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:
Customer Number:
Facility:

(b)(2)High, (b)(7)(F)

(b)(2)High, (b)(7)(F)

(b)(2)High, (b)(7)(F)

(b)(2)High, (b)(7)(F)

Registration #21-R-0080

Hamsters used by Dr. Carp for Scrapie Research (Category E)

Dr. Richard I. Carp used 995 hamsters in experiments on scrapie research. The nature of these experiments included pathogenesis studies, genetic analyses, bioassays and production of high titer material for biochemical analyses. In some of these studies, particularly the bioassays and production of high titer material, animals stay until clinical disease is established with certainty. The human counterparts of scrapie include Creutzfeldt-Jakob disease and Gerstmann-Straussler syndrome. These diseases are characterized by dementia and ataxia. There is no indication that pain or stress is associated with the clinical symptoms.

We require animals for scrapie work because there is no other way to bioassay for scrapie infectivity and because the yields from tissue culture systems are too low to provide sufficient material for biochemical or molecular biological studies. Furthermore, except for a few studies on neurotransmitters, tissue culture systems cannot be used for pathogenesis or genetic studies or for the production of large quantities of infectious agent. For this reason we require the use of laboratory animals.

The incubation period in scrapie and associated diseases is long, with most of the period asymptomatic. In our studies we assess the health status of animals on a weekly basis from approximately 60% through the incubation period to the conclusion of the experiment. In bioassays, most genetic studies and production of high titer material we must be certain that animals are positive for disease. We establish positivity by observing two consecutive positive scores for hamsters. Animals are euthanized within a few days of the final positive score. This ensures that the only demonstrable clinical changes are ataxia, inactivity, and in some cases, somnolence.

It is not clear whether affected hamsters feel pain or distress. If these do occur, any attempts to alleviate pain or distress would interfere with our capacity to determine if the animals are positive for disease.

NOTE: It should be noted that none of these animals were acquired from October 1, 2005, to September 30, 2006. During the year, most of these animals were sacrificed so that presently, fewer than 100 animals remain. At the conclusion of the current experiment, all protocols in this category will be terminated, and no additional hamsters will be obtained.